



## ENDURE SOLAR

- Simulated sine wave inverter
- Built-in 50A PWM solar charger
- Wide input voltage range
- 10A or 20A standard AC charging current
- LCD display for comprehensive information
- Overload, short circuit and reverse polarity protection



## TECHNICAL DATA SHEET

MODEL	ENDURE SOLAR 1.2K	ENDURE SOLAR 2.4K
<b>CAPACITY</b>	1200 VA / 720 W	2400 VA / 1440 W
<b>INPUT</b>		
Voltage	230 VAC	
Input Voltage Range	90-280VAC	
Frequency Range	60Hz or 50 Hz (Auto sensing)	
<b>OUTPUT</b>		
Output voltage Regulation (Batt. Mode)	230 VAC $\pm 10\%$	
Frequency Range (Batt. Mode)	60 Hz or 50 Hz $\pm 1$ Hz	
Transfer Time	20ms (Typical)	
Waveform (Batt. Mode)	Simulated Sine Wave	
<b>BATTERY</b>		
Battery Voltage	12VDC	24VDC
Acceptable Battery Type	Rechargeable lead-acid and deep discharge battery	
Acceptable Input Range for Charger	90~280 VAC	
DC Start Voltage	>11VDC	>22VDC
<b>AC CHARGER</b>		
Constant Current Charge Voltage	14.3VDC $\pm 2\%$	28.6VDC $\pm 2\%$
Floating Charge Voltage	13.7VDC $\pm 2\%$	27.4VDC $\pm 2\%$
Maximum Charge Current	10A or 20A	
<b>SOLAR CHARGER</b>		
Maximum PV Array Open Circuit Voltage	40 VDC	60 VDC
Operating Voltage Range	15~18 VDC	30~32 VDC
Maximum Solar Charge Current	50A	
<b>PROTECTION</b>		
Full Protection	Overload, short circuit and reverse polarity protection	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	300 x 360 x 88	
Net Weight (kgs)	6.3	7.6
<b>ENVIRONMENT</b>		
Humidity	0 to 90% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 40 °C	
Storage Temperature	-15°C to 50 °C	